

(3) Trolley wires and trolley feeder wires shall be aligned properly and installed at least 6 inches outside the trackage line;

(4) Cutout switches shall be provided at intervals of not more than 2,000 feet and near the beginning of each branch line;

(5) Wires shall be kept taut and not permitted to touch the roof, rib, or crossbars; particular care shall be taken where the wire passes through a door opening to preclude the possibility of bare wire coming in contact with combustible material;

(6) Trolley wires and trolley feeder wires shall be guarded adequately where necessary for employees to pass or work under them regularly. The wires shall be guarded adequately unless they are more than six and one-half feet above the top of the rail. The wires also shall be guarded adequately on both sides of every door;

(7) The wires may not extend beyond the last open crosscut and shall be kept at least 150 feet from pillar workings;

(8) Wires shall be anchored securely and insulated properly at the ends; and

(9) Wires shall not be installed in air known to contain at least 1 percent methane, or in air returning from pillar recovery work, or old workings where dangerous amounts of methane may be liberated suddenly.]

[7-436.

Metal conduit, metallic covering, and cable armor shall be grounded effectively. Each shall be electrically continuous to afford a conductor path for the ground circuit. Any metallic frame, casing, or other electric equipment which can become "alive" through failure of insulation or by contact with an energized part shall be grounded effectively. Casings of transformers shall be grounded effectively unless protected by insulation. Mining equipment mounted on rubber tires or caterpillar treads, receiving power through a trailing cable shall be grounded effectively.]

[7-437.

(a) A fuse or any other equivalent protective device of the correct type and capacity shall be installed on electric equipment to protect against excessive overload. Wire or other conducting material may not be used as a substitute for a properly designed fuse. Every circuit breaker shall be maintained in proper operating condition and adjusted so equipment cannot be overloaded. Every